ABSTRACT OF THE DISCLOSURE

A system and method for friction management for managing and controlling an application of a friction modifying agent to an area of contact between a railway wheel and a railway rail over which the wheel is traversing to selectively modify the coefficient of friction at the contact area. The system comprises a sensor for detecting a parameter relating to the operation of the railway train. A controller is responsive to the sensor and controls the application of a friction modifying agent to the rail as a function of the parameter. An applicator is responsive to the controller and applies the friction modifying agent to the area of contact between the railway wheel and rail. The invention also includes a method for railway train friction management for managing and controlling the application of friction modifying agent to an area of contact between railway wheel and railway rail over which the wheel is traversing to selectively modify the coefficient of friction at the contact area. The method comprises sensing a parameter related to the operation of the railway train and applying the friction modifying agent to the area of contact between the railway wheel and rail as a function of the sensed parameter.